

Aspen Compressor, LLC

**Performance Chart
Model# Q38-24-4100
Refrigerant: HFC-134a
CAPACITY (WATTS)**

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	164	240	315	426	537	692	846
	4000	231	327	422	557	692	890	1087
	4500	265	371	476	623	770	989	1207
	5000	298	413	528	689	850	1087	1325
	6000	363	498	633	821	1009	1285	1560

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	144	215	285	382	478	612	745
	4000	200	292	384	503	623	808	994
	4500	228	331	433	564	695	907	1118
	5000	261	371	480	625	769	995	1221
	6000	327	451	574	746	917	1173	1428

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	114	171	227	317	407	534	661
	4000	169	253	336	445	554	722	890
	4500	197	294	390	509	628	817	1005
	5000	226	327	428	548	669	850	1031
	6000	285	394	503	626	750	917	1083

Note: all data points are with 10°F Superheat and 8°F Subcooling with HFC-134a

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CAPACITY (BTU/hr)**

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	560	818	1076	1455	1834	2362	2889
	4000	790	1116	1442	1903	2364	3038	3711
	4500	905	1265	1626	2128	2630	3376	4122
	5000	1017	1410	1804	2353	2902	3713	4524
	6000	1240	1701	2162	2804	3446	4387	5328

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	492	733	973	1303	1632	2088	2544
	4000	683	997	1310	1718	2127	2760	3394
	4500	779	1129	1479	1926	2374	3096	3818
	5000	891	1265	1639	2133	2626	3399	4171
	6000	1117	1539	1960	2546	3132	4004	4877

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	389	582	775	1083	1390	1824	2257
	4000	578	862	1146	1520	1893	2467	3041
	4500	673	1002	1332	1738	2145	2788	3432
	5000	773	1117	1461	1872	2283	2902	3521
	6000	973	1346	1718	2139	2561	3130	3700

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COEFFICIENT OF PERFORMANCE

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	1.58	2.18	2.78	3.76	4.74	6.79	8.84
	4000	1.71	2.30	2.89	3.82	4.74	6.64	8.53
	4500	1.78	2.37	2.95	3.85	4.74	6.56	8.37
	5000	1.81	2.38	2.95	3.80	4.66	6.36	8.06
	6000	1.88	2.41	2.94	3.71	4.49	5.96	7.44

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	1.18	1.58	1.99	2.56	3.14	4.04	4.95
	4000	1.27	1.68	2.09	2.63	3.17	4.15	5.12
	4500	1.32	1.73	2.13	2.66	3.19	4.20	5.20
	5000	1.36	1.75	2.14	2.67	3.19	4.13	5.06
	6000	1.43	1.80	2.16	2.67	3.19	3.99	4.79

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	0.79	1.04	1.29	1.67	2.05	2.61	3.17
	4000	0.91	1.21	1.50	1.85	2.20	2.76	3.32
	4500	0.97	1.29	1.61	1.94	2.27	2.84	3.40
	5000	1.00	1.29	1.59	1.90	2.21	2.74	3.27
	6000	1.05	1.30	1.56	1.82	2.08	2.55	3.01

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Performance Chart

Model# Q38-24-4100

Refrigerant: HFC-134a

INPUT POWER (WATTS)

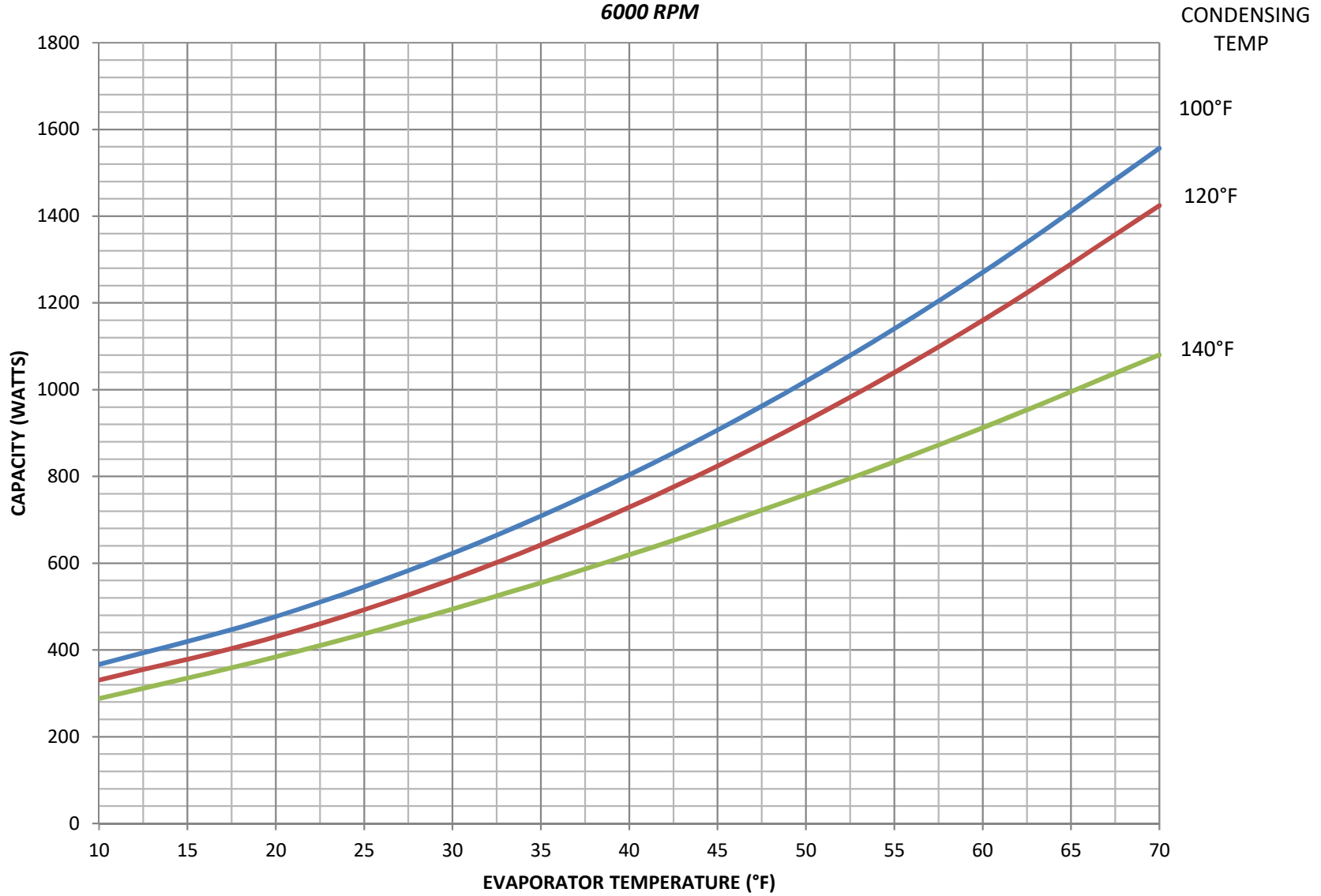
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	104	110	113	113	113	102	96
	4000	135	142	146	146	146	134	127
	4500	149	156	161	162	162	151	144
	5000	164	174	179	181	182	171	164
	6000	193	207	216	221	225	215	210

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	122	136	143	149	152	151	151
	4000	157	174	184	191	196	195	194
	4500	173	191	203	212	218	216	215
	5000	192	212	224	234	241	241	241
	6000	228	251	266	279	287	294	298

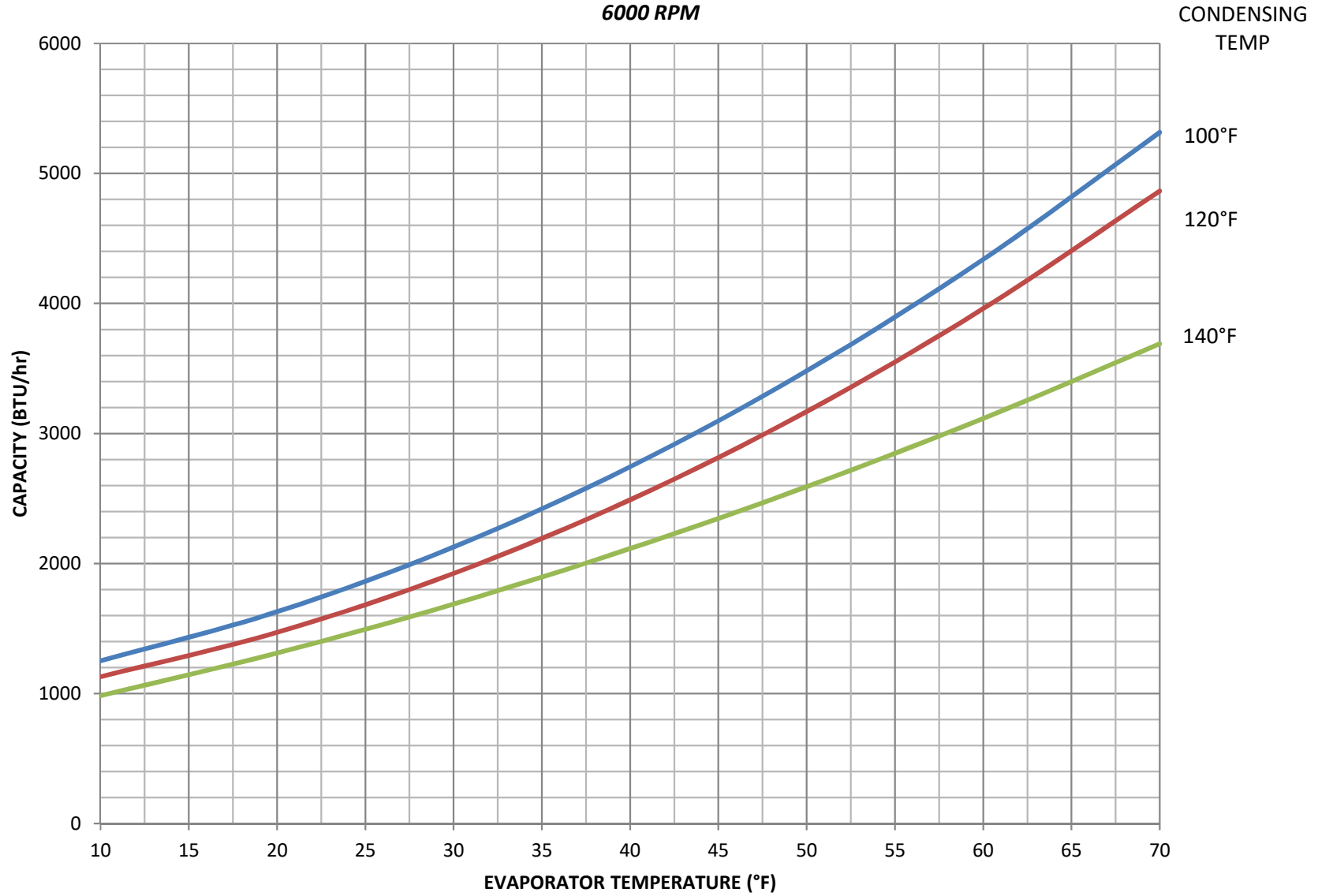
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	143	163	176	190	198	205	209
	4000	186	209	223	240	252	261	268
	4500	203	228	243	262	276	288	295
	5000	227	253	269	288	303	310	315
	6000	271	302	323	344	360	360	360

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ASPEN COMPRESSOR, LLC.
Model # Q38-24-4100
HFC-134a
6000 RPM



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